

Revised October 1, 1992

Conference Title:

"Inhibition of Matrix Metalloproteinases: Therapeutic Potential.

Shading = confirmed speaker/attendance/topic

Detailed program

Arrival - Wednesday, January 19, 1994

Welcoming reception - 7:00 PM - 10:00 PM

Day One - Thursday, January 20, 1994

8:30 **Introduction and welcome:** Robert Greenwald

Session A: Overview

Chair: Constance Brinckerhoff

8:45 - Keynote address: **Clinical Importance of MMPs and Inhibitors**
Dr. Stephen Krane, Regius Professor, Harvard

9:15 - **The Family of MMPs** - Fred Woessner, Univ of Miami

9:45 - **Structure-function relations in MMPs** - Harold Van Wart, Syntex

10:15 - 10:45 - break

10:45 - **Regulation of MMP Activity** - Gillian Murphy, Strangeways

11:15 - **Regulation of MMP Expression** - Lynn Matrisian, Vanderbilt

11:45 - General discussion

12:00 - 1:20 - lunch break

Session B: TIMP - Mechanisms and Applications

Chair: Gillian Murphy

- 1:20 - Induction of TIMP - Chris Overall, Vancouver
1:40 - Expression of TIMP - A.J. Docherty, CellTech, UK
2:00 - Mechanism of TIMP-MMP Interaction - MJ Banda, USC
2:20 - Variants on TIMP and TIMP Activation - T. Cawston, Cambridge UK
2:40 - 3:10 - break
3:10 - Dental applications of TIMPs - H Birkedahl-Hansen, Alabama
3:30 - TIMP Localization in Joints - Mike Lark, MSD
3:50 - General discussion
4:45 - 6:45 - POSTER SESSION/Reception (cocktails)
6:45 - adjourn - End of day 1

Day Two - Friday, January 21, 1994

Session C: Tetracyclines - Dental

Chair: Lorne Golub

- 8:00 - Review of Tetracycline MMP Inhibition - Lorne Golub
8:45 - Salivary/GCF collagenase - Timo Sorsa, Univ of Helsinki
9:05 - Clinical experience - adult periodontitis -
Seb Ciancio, Buffalo
9:25 - Diagnostic accuracy of collagenase in periodontitis -
C. McCullough, Toronto
9:45 - Bone resorption - Barry Rifkin, NYU Dental School
10:05 - discussion
10:30 - 11:00 break

Session C - Tetracyclines - Medical

Chair: Robert Greenwald

- 11:00 - Review of the field - arthritis studies - R. Greenwald
11:30 - Osteoarthritis models - Kenneth Brandt, Univ of Indiana
11:50 - Application of peptide-based MMP Inhibitors in Corneal Ulceration - RD Gray, Louisville KY
12:10 - lunch

Session D - MMPs and Inhibitors in Cancer/Metastasis

Chair: James Quigley, Stony Brook

- 1:15 - Overview - James Quigley
1:30 - TIMP2 in Cancer - Lance Liotta, NIH
1:50 - TIMP Inhibition of Metastasis - Yves DeClerck, Univ So Cal
2:10 - TIMP in Tumor Progression - a structure-function approach
- David Denhardt, Rutgers
2:30 - Anthracycline inhibition of MMPs - ME Maragoudakis, Greece
2:50 - 3:15 - break
3:15 - Monitoring Metastasis by Assay of MMPs and MMP-Inhibitor Complexes: Effects of Tetracyclines - Stan Zucker, Stony Brook
3:45 - Inhibition of Angiogenesis/Neoplasia by Tetracyclines
- Henry Brem, Hopkins
4:15 - General discussion
5:00 - dinner break
7:30 - Round Table Discussion -

Design of clinical trials for study of MMP inhibitors

Greenwald, Golub, Krane, Sorsa, Brandt, Brem, Liotta, Docherty, etc.

End of Day 2

Day 3 - Saturday, January 22, 1994

Session E: Selected papers from abstracts

Chair: Robert Greenwald

six 10-minute papers

8:30 - 10:00 AM

10:00 - 10:30 - break

Session F: Other Inhibitors

To be named

10:30 - Oxidative regulation of neutrophil MMP activity -
Margret Vissers, Christchurch School of Medicine

10:45 - α 2-macroglobulin - Hideaki Nagase, Univ Kansas

11:00 - Effect of MMPs on elastase inhibitors - Sandy Simon, Stony Brook

11:15 - Low molecular weight inhibitors in corneal ulceration
RE Galardy, Glycomed

11:30 - Monoclonal antibodies to human 92kDa gelatinase -
Deborah French, Stony Brook

11:45 - Retinoids - Constance Brinckerhoff, Dartmouth

12:00 - General discussion

12:45 - adjourn - end of conference

7:00 PM [optional] - end of conference banquet